BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of work: Improvements to Roads and Drain at HMT layout 1st Block, 2nd Block, 3rd Block and Surronding Areas in Ward No. 09 (Vidyaranyapura).

Estimated Cost : Rs. 80.00 Lakhs

Job Code: 009-20-000073

Head of Account : P-0541 Emergency Reserve Fund

Name of Agency: Sri. N.M. Shivakumar, No. 07, 2nd Block, Juganahalli, Rajajinagara, Bangalore - 560010.

Work order No: BBMP/EE/BTP/WO/204/2020-21 Dated: 04-03-2021

Measurements Recarded on : 12-05-2021

Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate / Unit
1	**Earthwork excavation by manual means for roads,** drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications								Cum
	Desilting for Drains								
	HMT Layout 2nd Block 2nd Cross								
	From 9th Main Road	2	2.00			0.45	0.45	0.81	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.60	0.55	9.90	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	6.20			0.45	0.45	2.51	
	HMT Layout 2nd Block 3rd Cross								
	From 11th Main Road	2	2.00			0.45	0.45	0.81	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	12.00			0.45	0.45	4.86	
	HMT Layout 2nd Block 10th Main								
	From Ward Office Road	2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

170.77

Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate / Un
		2	7.20			0.45	0.45	2.92	
		2	2.00			0.45	0.45	0.81	
	HMT Layout 2nd Block 8th Main								
	From Ward Office Road	2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	12.00			0.45	0.45	4.86	
		2	2.00			0.45	0.45	0.81	
	HMT Layout 7th Block 6th Cross								
	From 2nd A Cross 6th Block	2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	15.00			0.45	0.45	6.08	
		2	9.20			0.45	0.45	3.73	
	Berm Cutting								
	HMT Layout 2nd Block 2nd Cross								
	From 9th Main Road	2	2.00			0.95	0.20	1.52	
		2	15.00			1.00	0.15	9.00	
		2	15.00			0.85	0.20	10.20	
		2	15.00			0.90	0.25	13.50	
		2	15.00			0.95	0.20	11.40	
		2	15.00			0.90	0.15	8.10	
		2	15.00			0.95	0.20	11.40	
		2	15.00			0.90	0.25	13.50	
		2	15.00			0.85	0.20	10.20	
		2	15.00			0.90	0.30	16.20	
		2	15.00			0.85	0.25	12.75	
		2	15.00			0.90	0.20	10.80	
		2	15.00			1.00	0.25	15.00	
		2	6.20			1.05	0.20	5.21	
	HMT Layout 2nd Block 3rd Cross								
	From 11th Main Road	2	2.00			0.95	0.20	1.52	
		2	15.00			0.90	0.15	4.05	
		2	15.00			1.00	0.30	9.00	
		2	15.00			0.95	0.20	5.70	
		2	15.00			0.95	0.20	5.70	
		2	15.00			1.00	0.15	4.50	
		2	15.00			1.20	0.25	9.00	
		2	15.00			0.90	0.20	5.40	
		2	15.00			0.95	0.30	8.55	

1780.77

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

5/9/24

Description of work	Mesurement						Qty	Rate / Unit
	No.	L	B1	B2	Av.,B	D		
	2	15.00			0.90	0.25	6.75	519.74
	2	12.00			0.85	0.20	4.08	
HMT Layout 2nd Block 10th Main								
From Ward Office Road	2	15.00			0.85	0.15	3.83	
	2	15.00			0.95	0.20	5.70	
	2	15.00			1.00	0.30	9.00	
	2	15.00			1.00	0.25	7.50	
	2	15.00			1.10	0.20	6.60	
	2	7.20			1.20	0.25	4.32	
	2	2.00			1.00	0.20	0.80	
HMT Layout 2nd Block 8th Main								
From Ward Office Road	2	15.00			1.00	0.20	6.00	
	2	15.00			0.95	0.20	5.70	
	2	15.00			1.00	0.15	4.50	
	2	15.00			0.95	0.20	5.70	
	2	15.00			0.90	0.15	4.05	
	2	15.00			0.85	0.20	5.10	
	2	15.00			1.00	0.25	7.50	
	2	15.00			0.95	0.30	8.55	
	2	15.00			0.90	0.25	6.75	
	2	15.00			0.95	0.15	4.28	
	2	12.00			0.90	0.20	4.32	
	2	2.00			1.00	0.15	0.60	
HMT Layout 7th Block 6th Cross								
From 2nd A Cross 6th Block	2	15.00			1.00	0.20	6.00	
	2	15.00			1.10	0.25	8.25	
	2	15.00			0.95	0.15	4.28	
	2	15.00			0.85	0.25	6.38	
	2	15.00			0.95	0.20	5.70	
	2	15.00			0.90	0.20	5.40	
	2	15.00			0.95	0.15	4.28	
	2	15.00			1.00	0.20	6.00	
	2	15.00			0.95	0.15	4.28	
	2	15.00			1.00	0.20	6.00	
	2	15.00			1.00	0.20	6.00	
	2	15.00			0.95	0.25	7.13	
	2	9.20			1.05	0.20	3.86	
		Total Qty =					704.90	
		Qty Limited to =					703.80	

12/5/21

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate / Un
	Measurements Recarded on : 17-05-2021								
2	Removing and refixing stone slabs of drains and pointing in CM (1:3)								Sqm
	BS Drain Slab								
	HMT Layout 2nd Block 2nd Cross								
	From 9th Main Road	2	2.00			1.35		5.40	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	6.20			1.35		-16.74	
	HMT Layout 2nd Block 3rd Cross								
	From 11th Main Road	2	2.00			1.35		5.40	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	12.00			1.35		32.40	
	HMT Layout 2nd Block 10th Main								
	From Ward Office Road	2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	7.20			1.35		19.44	
		2	2.00			1.35		5.40	
	HMT Layout 2nd Block 8th Main								
	From Ward Office Road	2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	12.00			1.35		32.40	
		2	3.00			1.35		8.10	
	HMT Layout 7th Block 6th Cross								
	From 2nd A Cross 6th Block	2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	
		2	15.00			1.35		40.50	

Assistant Executive Engineer
Vidhana Soudha Sub Division
BBMP, Bangalore - 97

1671.30

Description of work	Mesurement						Qty	Rate / Unit
	No.	L	B1	B2	Av.,B	D		
	2	15.00			1.35		40.50	1671.30
	2	15.00			1.35		40.50	
	2	15.00			1.35		40.50	
	2	15.00			1.35		40.50	
	2	12.00			1.35		32.40	
		Total Qty =					1865.70	
		Qty Limited to =					1863.00	

Assistant Engineer 17/5/21
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate / U
	Measurements Recarded on : 24-05-21								
4	Providing and laying Plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications.MORTH Specification								Cum
	For Flagging Course Coping								
	HMT Layout 2nd Block 4th Cross								
	from 9th Main	2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	8.20			0.30	0.15	1.48	
	Deduct Cross Road	2	6.00			0.30	0.15	-0.54	
	HMT Layout 2nd Block 3rd Cross								
	From 10th Main Road	2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	14.00			0.30	0.15	2.52	
	HMT Layout 2nd Block 10th Main								
	From Ward Office Road	2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	9.20			0.30	0.15	1.66	
	HMT Layout 2nd Block 8th Main								
	From Ward Office Road	2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	
		2x2	15.00			0.30	0.15	2.70	

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-97

94.81

Description of work	Mesurement						Qty	Rate / Unit
	No.	L	B1	B2	Av.,B	D		
	2x2	15.00			0.30	0.15	2.70	34.21
	2x2	15.00			0.30	0.15	2.70	
	2x2	15.00			0.30	0.15	2.70	
	2x2	14.00			0.30	0.15	2.52	
HMT Layout 7th Block 6th Cross								
From								
	2x2	15.00			0.30	0.15	2.70	
	2x2	15.00			0.30	0.15	2.70	
	2x2	15.00			0.30	0.15	2.70	
	2x2	15.00			0.30	0.15	2.70	
	2x2	15.00			0.30	0.15	2.70	
	2x2	15.00			0.30	0.15	2.70	
	2x2	15.00			0.30	0.15	2.70	
	2x2	15.00			0.30	0.15	2.70	
	2x2	15.00			0.30	0.15	2.70	
	2x2	15.00			0.30	0.15	2.70	
	2x2	15.00			0.30	0.15	2.70	
	2x2	15.00			0.30	0.15	2.70	
	2x2	9.00			0.30	0.15	1.62	
Deduct Cross Road	4	6.00			0.30	0.15	-1.08	
		Total Qty =					137.77	
		Qty Limited to =					131.40	

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate / Un
	Measurements Recarded on : 31-05-21								
7	**Excavation for roadwork in all types of soil** by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 10km lead								Cum
	Road cutting portion								
	HMT Layout 2nd Block 2nd Cross								
	From 9th Main Road	1	2.00	1.20	1.20	1.20	0.15	0.36	
		1	15.00	1.20	1.10	1.15	0.15	2.59	
		1	15.00	1.10	1.00	1.05	0.15	2.36	
		1	15.00	1.00	0.95	0.98	0.15	2.19	
		1	15.00	0.95	1.00	0.98	0.15	2.19	
		1	15.00	1.00	0.95	0.98	0.15	2.19	
		1	15.00	0.95	1.00	0.98	0.15	2.19	
		1	15.00	1.00	1.20	1.10	0.15	2.48	
		1	15.00	1.20	1.00	1.10	0.15	2.48	
		1	15.00	1.00	0.95	0.98	0.15	2.19	
		1	15.00	0.95	1.00	0.98	0.15	2.19	
		1	15.00	1.00	0.85	0.93	0.15	2.08	
		1	15.00	0.85	1.00	0.93	0.15	2.08	
		1	6.20	1.00	0.95	0.98	0.15	0.91	
	HMT Layout 2nd Block 3rd Cross								
	From 11th Main Road	1	2.00	1.00	0.95	0.98	0.15	0.29	
		1	15.00	0.95	0.90	0.93	0.15	2.08	
		1	15.00	0.90	1.10	1.00	0.15	2.25	
		1	15.00	1.10	0.95	1.03	0.15	2.31	
		1	15.00	0.95	1.00	0.98	0.15	2.19	
		1	15.00	1.00	0.90	0.95	0.15	2.14	
		1	15.00	0.90	1.00	0.95	0.15	2.14	
		1	15.00	1.00	1.20	1.10	0.15	2.48	
		1	15.00	1.20	1.10	1.15	0.15	2.59	
		1	12.00	1.10	1.10	1.10	0.15	1.98	
	HMT Layout 2nd Block 10th Main								
	From Ward Office Road	1	15.00	1.10	1.00	1.05	0.15	2.36	
		1	15.00	1.00	0.90	0.95	0.15	2.14	
		1	15.00	0.90	0.95	0.93	0.15	2.08	
		1	15.00	0.95	1.00	0.98	0.15	2.19	
		1	7.20	1.00	1.00	1.00	0.15	1.08	
		1	2.00	1.00	0.95	0.98	0.15	0.29	
	HMT Layout 2nd Block 8th Main								
	From Ward Office Road	1	15.00	1.00	1.00	1.00	0.15	2.25	
		1	15.00	1.00	0.95	0.98	0.15	2.19	
		1	15.00	0.95	0.90	0.93	0.15	2.08	
		1	15.00	0.90	1.00	0.95	0.15	2.14	
		1	15.00	1.00	0.95	0.98	0.15	2.19	
		1	15.00	0.95	1.00	0.98	0.15	2.19	
		1	15.00	1.00	0.90	0.95	0.15	2.14	
		1	15.00	0.90	1.00	0.95	0.15	2.14	
		1	15.00	1.00	1.00	1.00	0.15	2.25	
		1	12.00	1.00	0.95	0.98	0.15	1.76	
		1	3.00	0.95	1.10	1.03	0.15	0.46	
	HMT Layout 7th Block 6th Cross								
	From 2nd A Cross 6th Block	1	15.00	1.10	1.00	1.05	0.15	2.36	
		1	15.00	1.00	0.95	0.98	0.15	2.19	
		1	15.00	0.95	1.00	0.98	0.15	2.19	
		1	15.00	1.00	0.85	0.93	0.15	2.08	

Rs. 70

Description of work	Mesurement					Qty	Rate / Unit
	No.	L	B1	B2	Av.,B	D		
	1	15.00	0.85	1.00	0.93	0.15	2.08	89.70
	1	15.00	1.00	0.85	0.93	0.15	2.08	
	1	15.00	0.85	0.95	0.90	0.15	2.03	
	1	15.00	0.95	0.80	0.88	0.15	1.97	
	1	15.00	0.80	0.90	0.85	0.15	1.91	
	1	15.00	0.90	0.85	0.88	0.15	1.97	
	1	12.00	0.85	0.90	0.88	0.15	1.58	
		Total Qty =					103.32	
		Qty Limited to =					189.56	

Assistant Engineer 31-05-24
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Sl No	Description of work	No.	Mesurement L	B1	B2	Av.,B	D	Qty	Rate / Un
	Measurements Recarded on : 02-06-2021								
8	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications								Cum
	HMT Layout 2nd Block 2nd Cross								
	From 9th Main Road N/S	1	2.00	1.20	1.20	1.20	0.25	0.60	
		1	15.00	1.20	1.10	1.15	0.25	4.31	
		1	15.00	1.10	1.00	1.05	0.25	3.94	
		1	15.00	1.00	0.95	0.98	0.25	3.66	
		1	15.00	0.95	1.00	0.98	0.25	3.66	
		1	15.00	1.00	0.95	0.98	0.25	3.66	
		1	15.00	0.95	1.00	0.98	0.25	3.66	
		1	15.00	1.00	1.20	1.10	0.25	4.13	
		1	15.00	1.20	1.00	1.10	0.25	4.13	
		1	15.00	1.00	0.95	0.98	0.25	3.66	
		1	15.00	0.95	1.00	0.98	0.25	3.66	
		1	15.00	1.00	0.85	0.93	0.25	3.47	
		1	15.00	0.85	1.00	0.93	0.25	3.47	
		1	6.20	1.00	0.95	0.98	0.25	1.51	
	S/S								
		1	2.00	0.95	1.00	0.98	0.25	0.49	
		1	15.00	1.00	0.95	0.98	0.25	3.66	
		1	15.00	0.95	0.90	0.93	0.25	3.47	
		1	15.00	0.90	0.85	0.88	0.25	3.28	
		1	15.00	0.85	0.90	0.88	0.25	3.28	
		1	15.00	0.90	0.95	0.93	0.25	3.47	
		1	15.00	0.95	0.80	0.88	0.25	3.28	
		1	15.00	0.80	0.90	0.85	0.25	3.19	
		1	15.00	0.90	0.90	0.90	0.25	3.38	
		1	15.00	0.90	0.95	0.93	0.25	3.47	
		1	15.00	0.95	0.85	0.90	0.25	3.38	
		1	15.00	0.85	0.85	0.85	0.25	3.19	
		1	15.00	0.85	0.90	0.88	0.25	3.28	
		1	6.20	0.90	0.95	0.93	0.25	1.43	
	HMT Layout 2nd Block 3rd Cross								
	From 11th Main Road	1	2.00	1.00	0.95	0.98	0.25	0.49	
		1	15.00	0.95	0.90	0.93	0.25	3.47	
		1	15.00	0.90	0.95	0.93	0.25	3.47	
		1	15.00	0.95	0.95	0.95	0.25	3.56	
		1	15.00	0.95	0.80	0.88	0.25	3.28	
		1	15.00	0.80	0.90	0.85	0.25	3.19	
		1	15.00	0.90	0.95	0.93	0.25	3.47	
		1	15.00	0.95	0.80	0.88	0.25	3.28	
		1	15.00	0.80	0.90	0.85	0.25	3.19	
		1	12.00	0.90	0.95	0.93	0.25	2.78	
	HMT Layout 2nd Block 10th Main								
	From Ward Office Road	1	15.00	0.90	0.85	0.88	0.25	3.28	
		1	15.00	0.85	0.90	0.88	0.25	3.28	
		1	15.00	0.90	0.95	0.93	0.25	3.47	
		1	15.00	0.95	0.90	0.93	0.25	3.47	
		1	7.20	0.90	0.85	0.88	0.25	1.58	
		1	2.00	0.85	0.95	0.90	0.25	0.45	
	HMT Layout 2nd Block 8th Main								
	From Ward Office Road	1	15.00	1.00	1.00	1.00	0.25	3.75	
		1	15.00	1.00	0.95	0.98	0.25	3.66	

Assistant Executive Engineer
Kadugodi Sub Division
BBMP, Bangalore - 67

139.16

Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate / Unit
	1	15.00	0.95	0.90	0.93	0.25	3.47	139.16
	1	15.00	0.90	1.00	0.95	0.25	3.56	
	1	15.00	1.00	0.95	0.98	0.25	3.66	
	1	15.00	0.95	1.00	0.98	0.25	3.66	
	1	15.00	1.00	0.90	0.95	0.25	3.56	
	1	15.00	0.90	1.00	0.95	0.25	3.56	
	1	15.00	1.00	1.00	1.00	0.25	3.75	
	1	12.00	1.00	0.95	0.98	0.25	2.93	
HMT Layout 7th Block 6th Cross	1	3.00	0.95	1.10	1.03	0.25	0.77	
From 2nd A Cross 6th Block N/S								
	1	15.00	1.10	1.00	1.05	0.25	3.94	
	1	15.00	1.00	0.95	0.98	0.25	3.66	
	1	15.00	0.95	1.00	0.98	0.25	3.66	
	1	15.00	1.00	0.85	0.93	0.25	3.47	
	1	15.00	0.85	1.00	0.93	0.25	3.47	
	1	15.00	1.00	0.85	0.93	0.25	3.47	
	1	15.00	0.85	0.95	0.90	0.25	3.38	
	1	15.00	0.95	0.80	0.88	0.25	3.28	
	1	15.00	0.80	0.90	0.85	0.25	3.19	
	1	15.00	0.90	0.85	0.88	0.25	3.28	
	1	15.00	0.85	0.95	0.90	0.25	3.38	
	1	15.00	0.95	1.00	0.98	0.25	3.66	
	1	9.00	1.00	1.20	1.10	0.25	2.48	
S/S								
	1	15.00	1.10	1.20	1.15	0.25	4.31	
	1	15.00	1.20	1.10	1.15	0.25	4.31	
	1	15.00	1.10	1.00	1.05	0.25	3.94	
	1	15.00	1.00	1.10	1.05	0.25	3.94	
	1	15.00	1.10	1.00	1.05	0.25	3.94	
	1	15.00	1.00	0.95	0.98	0.25	3.66	
	1	15.00	0.95	1.00	0.98	0.25	3.66	
	1	15.00	1.00	0.95	0.98	0.25	3.66	
	1	15.00	0.95	1.00	0.98	0.25	3.66	
	1	15.00	1.00	0.90	0.95	0.25	3.56	
	1	15.00	0.90	0.85	0.88	0.25	3.28	
	1	15.00	0.85	0.95	0.90	0.25	3.38	
	1	9.00	0.95	1.00	0.98	0.25	2.19	
				Total Qty =			263.50	
				Qty Limited to =			263.13	

Assistant Engineer 02/06/21
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate / Un
	Measurements Recarded on : 18-06-2021								
9	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications								Sqm
	HMT Layout 2nd Block 2nd Cross								
	From 9th Main Road N/S	1	2.00	1.20	1.20	1.20		2.40	
		1	15.00	1.20	1.10	1.15		17.25	
		1	15.00	1.10	1.00	1.05		15.75	
		1	15.00	1.00	0.95	0.98		14.63	
		1	15.00	0.95	1.00	0.98		14.63	
		1	15.00	1.00	0.95	0.98		14.63	
		1	15.00	0.95	1.00	0.98		14.63	
		1	15.00	1.00	1.20	1.10		16.50	
		1	15.00	1.20	1.00	1.10		16.50	
		1	15.00	1.00	0.95	0.98		14.63	
		1	15.00	0.95	1.00	0.98		14.63	
		1	15.00	1.00	0.85	0.93		13.88	
		1	15.00	0.85	1.00	0.93		13.88	
		1	6.20	1.00	0.95	0.98		6.05	
	S/S								
		1	2.00	0.95	1.00	0.98		1.95	
		1	15.00	1.00	0.95	0.98		14.63	
		1	15.00	0.95	0.90	0.93		13.88	
		1	15.00	0.90	0.85	0.88		13.13	
		1	15.00	0.85	0.90	0.88		13.13	
		1	15.00	0.90	0.95	0.93		13.88	
		1	15.00	0.95	0.80	0.88		13.13	
		1	15.00	0.80	0.90	0.85		12.75	
		1	15.00	0.90	0.90	0.90		13.50	
		1	15.00	0.90	0.95	0.93		13.88	
		1	15.00	0.95	0.85	0.90		13.50	
		1	15.00	0.85	0.85	0.85		12.75	
		1	15.00	0.85	0.90	0.88		13.13	
		1	6.20	0.90	0.95	0.93		5.74	
	HMT Layout 2nd Block 3rd Cross								
	From 11th Main Road	1	2.00	1.00	0.95	0.98		1.95	
		1	15.00	0.95	0.90	0.93		13.88	
		1	15.00	0.90	0.95	0.93		13.88	
		1	15.00	0.95	0.95	0.95		14.25	
		1	15.00	0.95	0.80	0.88		13.13	
		1	15.00	0.80	0.90	0.85		12.75	
		1	15.00	0.90	0.95	0.93		13.88	
		1	15.00	0.95	0.80	0.88		13.13	
		1	15.00	0.80	0.90	0.85		12.75	
		1	12.00	0.90	0.95	0.93		11.10	
	HMT Layout 2nd Block 10th Main								
	From Ward Office Road	1	15.00	0.90	0.85	0.88		13.13	

492.68

Assistant Executive Engineer
Bajpe Panchayat Sub Division
MRPL, Mangalore - 574

Pre-Measurement

Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate / Unit
	1	15.00	0.85	0.90	0.88		13.13	4982.68
	1	15.00	0.90	0.95	0.93		13.88	
	1	15.00	0.95	0.90	0.93		13.88	
	1	7.20	0.90	0.85	0.88		6.30	
	1	2.00	0.85	0.95	0.90		1.80	
HMT Layout 2nd Block 8th Main								
From Ward Office Road	1	15.00	1.00	1.00	1.00		15.00	
	1	15.00	1.00	0.95	0.98		14.63	
	1	15.00	0.95	0.90	0.93		13.88	
	1	15.00	0.90	1.00	0.95		14.25	
	1	15.00	1.00	0.95	0.98		14.63	
	1	15.00	0.95	1.00	0.98		14.63	
	1	15.00	1.00	0.90	0.95		14.25	
	1	15.00	0.90	1.00	0.95		14.25	
	1	15.00	1.00	1.00	1.00		15.00	
	1	12.00	1.00	0.95	0.98		11.70	
	1	3.00	0.95	1.10	1.03		3.08	
HMT Layout 7th Block 6th Cross								
From 2nd A Cross 6th Block N/S	1	15.00	1.10	1.00	1.05		15.75	
	1	15.00	1.00	0.95	0.98		14.63	
	1	15.00	0.95	1.00	0.98		14.63	
	1	15.00	1.00	0.85	0.93		13.88	
	1	15.00	0.85	1.00	0.93		13.88	
	1	15.00	1.00	0.85	0.93		13.88	
	1	15.00	0.85	0.95	0.90		13.50	
	1	15.00	0.95	0.80	0.88		13.13	
	1	15.00	0.80	0.90	0.85		12.75	
	1	15.00	0.90	0.85	0.88		13.13	
	1	15.00	0.85	0.95	0.90		13.50	
	1	15.00	0.95	1.00	0.98		14.63	
	1	9.00	1.00	1.20	1.10		9.90	
S/S								
	1	15.00	1.10	1.20	1.15		17.25	
	1	15.00	1.20	1.10	1.15		17.25	
	1	15.00	1.10	1.00	1.05		15.75	
	1	15.00	1.00	1.10	1.05		15.75	
	1	15.00	1.10	1.00	1.05		15.75	
	1	15.00	1.00	0.95	0.98		14.63	
	1	15.00	0.95	1.00	0.98		14.63	
	1	15.00	1.00	0.95	0.98		14.63	
	1	15.00	0.95	1.00	0.98		14.63	
	1	15.00	1.00	0.90	0.95		14.25	
	1	15.00	0.90	0.85	0.88		13.13	
	1	15.00	0.85	0.95	0.90		13.50	
	1	9.00	0.95	1.00	0.98		8.78	
				Total Qty =			1053.98	

Assistant Executive Engineer

Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty
							Qty Limited to =	1052.50

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Vidyaranyapura
BBMP, Bangalore - 97

Description of work	No.	L	B1	B2	Av.,B	D	Qty	Rate / Unit

Measurements Recarded on : 18 - 06 - 2021

10 Providing and laying **dense graded bituminous macadam** using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen — Cum

HMT Layout 2nd Block 2nd Cross							
From 9th Main Road N/S	1	2.00	1.20	1.20	1.20	0.05	0.12
	1	15.00	1.20	1.10	1.15	0.05	0.86
	1	15.00	1.10	1.00	1.05	0.05	0.79
	1	15.00	1.00	0.95	0.98	0.05	0.73
	1	15.00	0.95	1.00	0.98	0.05	0.73
	1	15.00	1.00	0.95	0.98	0.05	0.73
	1	15.00	0.95	1.00	0.98	0.05	0.73
	1	15.00	1.00	1.20	1.10	0.05	0.83
	1	15.00	1.20	1.00	1.10	0.05	0.83
	1	15.00	1.00	0.95	0.98	0.05	0.73
	1	15.00	0.95	1.00	0.98	0.05	0.73
	1	15.00	1.00	0.85	0.93	0.05	0.69
	1	15.00	0.85	1.00	0.93	0.05	0.69
	1	6.20	1.00	0.95	0.98	0.05	0.30
S/S							
	1	2.00	0.95	1.00	0.98	0.05	0.10
	1	15.00	1.00	0.95	0.98	0.05	0.73
	1	15.00	0.95	0.90	0.93	0.05	0.69
	1	15.00	0.90	0.85	0.88	0.05	0.66
	1	15.00	0.85	0.90	0.88	0.05	0.66
	1	15.00	0.90	0.95	0.93	0.05	0.69
	1	15.00	0.95	0.80	0.88	0.05	0.66
	1	15.00	0.80	0.90	0.85	0.05	0.64
	1	15.00	0.90	0.90	0.90	0.05	0.68
	1	15.00	0.90	0.95	0.93	0.05	0.69
	1	15.00	0.95	0.85	0.90	0.05	0.68
	1	15.00	0.85	0.85	0.85	0.05	0.64
	1	15.00	0.85	0.90	0.88	0.05	0.66
	1	6.20	0.90	0.95	0.93	0.05	0.29
HMT Layout 2nd Block 3rd Cross							
From 11th Main Road	1	2.00	1.00	0.95	0.98	0.05	0.10
	1	15.00	0.95	0.90	0.93	0.05	0.69
	1	15.00	0.90	0.95	0.93	0.05	0.69
	1	15.00	0.95	0.95	0.95	0.05	0.71
	1	15.00	0.95	0.80	0.88	0.05	0.66
	1	15.00	0.80	0.90	0.85	0.05	0.64
	1	15.00	0.90	0.95	0.93	0.05	0.69
	1	15.00	0.95	0.80	0.88	0.05	0.66
	1	15.00	0.80	0.90	0.85	0.05	0.64
	1	12.00	0.90	0.95	0.93	0.05	0.56
HMT Layout 2nd Block 10th Main							
From Ward Office Road	1	15.00	0.90	0.85	0.88	0.05	0.66
	1	15.00	0.85	0.90	0.88	0.05	0.66
	1	15.00	0.90	0.95	0.93	0.05	0.69
	1	15.00	0.95	0.90	0.93	0.05	0.69
	1	7.20	0.90	0.85	0.88	0.05	0.32
	1	2.00	0.85	0.95	0.90	0.05	0.09
HMT Layout 2nd Block 8th Main							
From Ward Office Road	1	15.00	1.00	1.00	1.00	0.05	0.75

27.83

Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate / U
		1	15.00	1.00	0.95	0.98	0.05	0.73	207.83
		1	15.00	0.95	0.90	0.93	0.05	0.69	
		1	15.00	0.90	1.00	0.95	0.05	0.71	
		1	15.00	1.00	0.95	0.98	0.05	0.73	
		1	15.00	0.95	1.00	0.98	0.05	0.73	
		1	15.00	1.00	0.90	0.95	0.05	0.71	
		1	15.00	0.90	1.00	0.95	0.05	0.71	
		1	15.00	1.00	1.00	1.00	0.05	0.75	
		1	12.00	1.00	0.95	0.98	0.05	0.59	
		1	3.00	0.95	1.10	1.03	0.05	0.15	
	HMT Layout 7th Block 6th Cross								
	From 2nd A Cross 6th Block N/S	1	15.00	1.10	1.00	1.05	0.05	0.79	
		1	15.00	1.00	0.95	0.98	0.05	0.73	
		1	15.00	0.95	1.00	0.98	0.05	0.73	
		1	15.00	1.00	0.85	0.93	0.05	0.69	
		1	15.00	0.85	1.00	0.93	0.05	0.69	
		1	15.00	1.00	0.85	0.93	0.05	0.69	
		1	15.00	0.85	0.95	0.90	0.05	0.68	
		1	15.00	0.95	0.80	0.88	0.05	0.66	
		1	15.00	0.80	0.90	0.85	0.05	0.64	
		1	15.00	0.90	0.85	0.88	0.05	0.66	
		1	15.00	0.85	0.95	0.90	0.05	0.68	
		1	15.00	0.95	1.00	0.98	0.05	0.73	
		1	9.00	1.00	1.20	1.10	0.05	0.50	
	S/S								
		1	15.00	1.10	1.20	1.15	0.05	0.86	
		1	15.00	1.20	1.10	1.15	0.05	0.86	
		1	15.00	1.10	1.00	1.05	0.05	0.79	
		1	15.00	1.00	1.10	1.05	0.05	0.79	
		1	15.00	1.10	1.00	1.05	0.05	0.79	
		1	15.00	1.00	0.95	0.98	0.05	0.73	
		1	15.00	0.95	1.00	0.98	0.05	0.73	
		1	15.00	1.00	0.95	0.98	0.05	0.73	
		1	15.00	0.95	1.00	0.98	0.05	0.73	
		1	15.00	1.00	0.90	0.95	0.05	0.71	
		1	15.00	0.90	0.85	0.88	0.05	0.66	
		1	15.00	0.85	0.95	0.90	0.05	0.68	
		1	9.00	0.95	1.00	0.98	0.05	0.44	
			Total Qty =					52.70	
			Qty Limited to =					52.62	

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

Description of work	No.	Mesurement L	B1	B2	Av.,B	D	Qty	Rate / Unit
Measurements Recarded on :								
13 Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications.								Sqm
HMT Layout 2nd Block 2nd Cross								
From 9th Main Road	1	2.00	6.20	4.60	5.40		10.80	
	1	15.00	4.60	4.60	4.60		69.00	
	1	15.00	4.60	4.50	4.55		68.25	
	1	15.00	4.50	4.60	4.55		68.25	
	1	15.00	4.60	3.60	4.10		61.50	
	1	15.00	3.60	3.70	3.65		54.75	
	1	15.00	3.70	3.40	3.55		53.25	
	1	15.00	3.40	3.80	3.60		54.00	
	1	15.00	3.80	3.70	3.75		56.25	
	1	15.00	3.70	3.80	3.75		56.25	
	1	15.00	3.80	4.20	4.00		60.00	
	1	15.00	4.20	4.10	4.15		62.25	
	1	15.00	4.10	4.10	4.10		61.50	
	1	6.20	4.10	4.80	4.45		27.59	
HMT Layout 2nd Block 3rd Cross								
From 11th Main Road	1	2.00	5.30	4.40	4.85		9.70	
	1	15.00	4.40	4.40	4.40		66.00	
	1	15.00	4.40	4.10	4.25		63.75	
	1	15.00	4.10	4.70	4.40		66.00	
	1	15.00	4.70	3.80	4.25		63.75	
	1	15.00	3.80	4.20	4.00		60.00	
	1	15.00	4.20	4.50	4.35		65.25	
	1	15.00	4.50	4.10	4.30		64.50	
	1	15.00	4.10	4.20	4.15		62.25	
	1	15.00	4.20	4.30	4.25		63.75	
	1	12.00	4.30	5.80	5.05		60.60	
HMT Layout 2nd Block 10th Main								
From Ward Office Road	1	15.00	5.10	4.50	4.80		72.00	
	1	15.00	4.50	3.90	4.20		63.00	
	1	15.00	3.90	4.50	4.20		63.00	
	1	15.00	4.50	4.40	4.45		66.75	
	1	15.00	4.40	4.70	4.55		68.25	
	1	7.20	4.70	5.20	4.95		35.64	
	1	2.00	5.20	8.80	7.00		14.00	
HMT Layout 2nd Block 8th Main								
From Ward Office Road	1	15.00	4.00	4.20	4.10		61.50	
	1	15.00	4.20	4.50	4.35		65.25	
	1	15.00	4.50	4.80	4.65		69.75	
	1	15.00	4.80	4.00	4.40		66.00	
	1	15.00	4.00	4.00	4.00		60.00	
	1	15.00	4.00	3.90	3.95		59.25	
	1	15.00	3.90	3.70	3.80		57.00	

Assistant Executive Engineer
Vidyapeeth Road Sub Division
BBMP Bangalore-97

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Sl No	Description of work	Mesurement No.	L	B1	B2	Av.,B	D	Qty	Rate / Unit
		1	15.00	3.70	4.00	3.85		57.75	2230.85
		1	15.00	4.00	3.90	3.95		59.25	
		1	15.00	3.90	4.00	3.95		59.25	
		1	12.00	4.00	4.50	4.25		51.00	
		1	2.00	4.50	6.10	5.30		10.60	
	HMT Layout 7th Block 6th Cross								
	From 2nd A Cross 6th Block	1	15.00	6.00	5.80	5.90		88.50	
		1	15.00	5.80	5.40	5.60		84.00	
		1	15.00	5.40	5.50	5.45		81.75	
		1	15.00	5.50	5.20	5.35		80.25	
		1	15.00	5.20	5.70	5.45		81.75	
		1	15.00	5.70	5.30	5.50		82.50	
		1	15.00	5.30	5.80	5.55		83.25	
		1	15.00	5.80	5.80	5.80		87.00	
		1	15.00	5.80	5.30	5.55		83.25	
		1	15.00	5.30	6.30	5.80		87.00	
		1	15.00	6.30	6.30	6.30		94.50	
		1	15.00	6.30	6.80	6.55		98.25	
		1	9.20	6.80	8.10	7.45		68.54	
	Patch Work Pot Hole								
		1	15.00			5.80		87.00	
		1	12.80			6.00		76.80	
		1	5.80			2.80		16.24	
		1	12.00			3.80		45.60	
		1	5.50			2.80		15.40	
		1	12.30			5.60		68.88	
		1	9.80			3.80		37.24	
		1	12.50			4.60		57.50	
		1	10.60			6.50		68.90	
		1	12.50			5.50		68.75	
		1	10.00			3.50		35.00	
		1	12.00			5.50		66.00	
	Deductions for Chambers	4	0.60			0.60		-1.44	
				Total Qty =				4210.84	
				Qty Limited to =				4210.00	

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Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97